

The Knowledge Bank at The Ohio State University

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News Items from Other Engineering Colleges

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Gordon was assigned the job of checking and reviewing the numerous exchange magazines, Engineering College Magazines Associated and others also. From his work he has prepared this article to show activities of other Engineering Colleges of the nation.

This is the first of a series of articles presenting news from other engineering schools throughout the country.

National defense summer training for non-college students is not limited to the campus of the Ohio State University; nearly all of the larger engineering schools are offering training of one kind or another. For example, the College of Engineering at the University of Wisconsin recently inaugurated a summer course in mechanical drawing, shop work, and shop mathematics. Thirty-eight high-school graduates pursued the rigorous training last summer at a cost to them of only \$6.00 per student. Drawing instruments were loaned to the students, and all machine shop equipment was placed at the disposal of the students at no further cost to them. A special course in handling of explosives, similar to the course taught here at Ohio State, is being sponsored by the Illinois Institute of Technology. The first section of more than 60 students was taught by the chief chemist of a large industrial concern. Incidentally, students completing the explosives course here at Ohio State have stepped into some very fine positions.

Mechanical Engineers at New York University who have a scholastic rating of "B" or better, and a senior standing, will have an opportunity to take a Marine option in their course this year. There is a growing demand for men competent in the design of ship propulsion machinery and deck gear, and this course aims to give the student just such training.

The Department of Civil Engineering at the University of Missouri has greatly expanded the scope of its work in the field of sanitary engineering. In

1939, a fully equipped mobile trailer was obtained to facilitate research work throughout the entire state. The traveling laboratory contains refrigeration and sterilization equipment, microscope, Imhoff cones, and other essential laboratory apparatus for taking and analyzing samples in the field. The Civil Engineering Department now has a completely new, fully equipped, laboratory on the campus. One of the features of the sanitary engineering work at Missouri is the cooperative arrangement established with the Kellogg Foundation. Each summer several students are sent to Michigan with fellowships in public health engineering, to work on water supply and sewage problems, resort sanitation and various other problems, all under the direct supervision of the various county health departments. Close cooperation with the State Board of Health has helped to bring about this expansion in the field of sanitary engineering education at Missouri.

A recent study of the "Cooperative Engineer", publication of the University of Cincinnati, revealed that chemical engineering students had contributed more articles in the past 79 issues than any other single group. Electricals, Civils, faculty, and mechanicals followed in that order. The "Cooperative Engineer" recently closed its twentieth year of publication on the U. C. campus.

Dr. L. K. Arnold of the Chemical Engineering Department of Iowa State College has recently announced the development of a new process for the extraction of oil from the soy bean. The beans are first flaked and then brought in contact with a flow of trichloroethylene which is subsequently evaporated leaving the extracted oil. Loss of the solvent is minimized by the use of proper condensation equipment. Since trichloroethylene is non-explosive it is superior to the hexane which was formerly used. The new process is said to be capable of efficient operation on as little as 5 to 25 tons per day. This would make extraction in the smaller mills and grain elevators a reality.